

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1251	h02k033/00.ipc.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 15:22
L3	1	L1 and torsion and hollow near shaft and stator and rotor and select\$4	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 15:24
L4	2	L1 and torsion and hollow near shaft and frequency	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 15:26
L5	3	L1 and torsion and hollow near shaft	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 15:27
L7	7	oscillat\$4 and torsion and hollow near shaft and stator and rotor and select\$4 and tun \$3	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 15:29
L12	4	oscillat\$4 and torsion and hollow near shaft and stator and rotor and select\$4 and tun \$3 and resonan\$3 near frequenc\$3	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 15:34
L14	4	oscillat\$4 and torsion and hollow near shaft and stator and rotor and select\$4 and tun \$3 and resonan\$3 near frequenc\$3	US_PGPUB; USPAT; USOOR	ADJ	OFF	2009/11/17 15:36

L32	343	310/37.ccls.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/17 16:02
L33	1	L32 and torsion and hollow near shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 16:03
L34	1	310/38.ccls. and torsion and hollow near shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 16:03
L35	0	310/39.ccls. and torsion and hollow near shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 16:03
L36	16	310/38.ccls. and torsion and shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 16:05
L37	11	310/39.ccls. and torsion and shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 16:06
L38	15	310/37.ccls. and torsion and shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/17 16:09
S6	1	"20080185922"	US_PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/07 17:10
S7	960	310/36.ccls.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/07 17:28
S8	33	S7 and (razor\$3 or toothbrush\$3)	US_PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/07 17:40
S9	80	oscillati\$4 and stator and rotor and torsion and (tuning or adjust \$4) and resonant frequency and shaft	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/04/07 18:17

S10	79	oscillati\$4 and stator and rotor and torsion and (tuning or adjust \$4) and resonant frequency and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/07 18:17
S11	4	S10 and (razor\$3 or toothbrush\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/07 18:17
S12	79	oscillati\$4 and stator and rotor and torsion and (tuning or adjust \$4) and resonant frequency and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 09:31
S13	15	S12 and (hollow near shaft)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 09:31
S14	960	310/36.clcs.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 09:32
S15	10	S14 and (hollow near shaft)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 09:32
S16	3	"5528411"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:32
S17	43	"5613259"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:32
S18	12	"4543718"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:33
S19	19	"4187452"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:33
S20	7	"3491258"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:33
S21	400	"310".clas. and (razor \$3 or toothbrush\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:54
S22	15	S21 and coil\$3 and magnet\$3 and torsion and (tuning or adjust \$4) and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 10:55
S23	15	S21 and coil\$3 and magnet\$3 and torsion and (tuning or adjust \$4 or tension) and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 11:29
S24	43302	(razor\$3 or toothbrush \$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 11:32
S25	46	S24 and coil\$3 and magnet\$3 and torsion and (tuning or adjust \$4) and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 11:32
S26	460	S24 and coil\$3 and magnet\$3 and circuit \$3 and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 11:35

S31	192	310/68R.ccls. and circuit board\$3 and (screw\$3 or fastener\$3 or bolt\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 14:17
S32	19	310/68R.ccls. and circuit board\$3 near2 (screw\$3 or fastener\$3 or bolt\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 14:18
S33	256	310/68R.ccls. and circuit board\$3 and stator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 14:21
S34	153	S24 and torsion and (tuning or adjust\$4 or control\$3) and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 14:52
S35	2102	S24 and (torsion or tension or friction) and (tuning or adjust\$4 or control\$3) and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 14:52
S36	287	S35 and (torsion or tension or friction) near2 (tuning or adjust \$4 or control\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 14:53
S37	1607	S35 and (screw\$3 or nut\$3 or bolts\$3 or clamp\$4 or fasten\$4)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 16:51
S38	1607	S37 and (torsion or tension or friction) and (tuning or adjust\$4 or control\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 16:52
S39	257	S37 and (torsion or tension or friction) near2 (tuning or adjust \$4 or control\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/04/08 16:52
S40	3	"4353002"	USPAT	ADJ	OFF	2009/11/05 10:30
S41	2	"20040010871"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 11:07
S42	9	("20020195884"   "2648787"   "3525887"    "4360087"   "4783968"   "5645407"    "6958553"),PN. OR ("7328474").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 12:47
S43	8	electric\$3 near2 machine and shaft with resonant frequency	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 12:52

S44	46	electric\$3 near2 machine and shaft same resonant frequenc\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 12:54
S45	79	310/51.ccls. and resonant frequenc\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 12:57
S46	4498	electric\$3 near2 (machine or motor or oscillator) and hollow near shaft and adjust \$3 and (fix\$3 or attach \$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 13:01
S47	986	electric\$3 near2 (machine or motor or oscillator) and hollow near shaft same adjust \$3 same (fix\$3 or attach\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 13:02
S48	14	S47 and resonan\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/09 13:02

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L11	2	oscillat\$4 and torsion and hollow near shaft and stator and rotor and select\$4 and tun\$3	USPAT; UPAD	ADJ	OFF	2009/11/17 15:32
L13	1	oscillat\$4 and torsion and hollow near shaft and stator and rotor and select\$4 and tun\$3 and resonan\$3 near frequenc\$3	USPAT; UPAD	ADJ	OFF	2009/11/17 15:36

11/17/2009 4:11:22 PM

C:\Documents and Settings\jkim3\My Documents\EAST\Workspaces\Motor-C\motor-21\10577203.wsp